

Patent Claims

1. A long stator motor, in particular for driving a magnetic levitation railroad, having a stator iron (1) in which slots (2) are arranged for holding cable windings (3 to 8), characterized in that at least two cable windings (3 to 5 and 6 to 8) are arranged one above the other, in that at least two cables run in each slot (2).

2. The long stator motor as claimed in claim 1, characterized in that three cable windings (3 to 5; 6 to 8) are in each case arranged in one layer as a three-phase winding, and in that the layers formed in this way are arranged one above the other.

3. The long stator motor as claimed in claim 2, characterized in that the cables which run in one slot (2) are connected to the same phase of the three-phase windings.

4. The long stator motor as claimed in one of claims 2 or 3, characterized in that the three-phase windings are connected in series.

5. The long stator motor as claimed in one of claims 2 or 3, characterized in that the three-phase windings are connected in parallel.

6. The long stator motor as claimed in one of claims 2 to 5, characterized in that two three-phase windings which are arranged one above the other are in each case offset through 180° with respect to one another.